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Effects of Receptor Tyrosine Kinase Inhibitor A47 on Estrogen and Growth Factor-Dependent Breast Cancer Cell Proliferation and Apoptosis In Vitro
Jane M. Turbov, George M. Twaddle, XiaoHe Yang, Naxin M. Liu, and Satya Murthy 17
A growth factor receptor tyrosine kinase inhibitor given as an adjunct to estrogen replacement therapy could prevent estrogen-dependent tumor re-growth in postmenopausal breast cancer survivors. To model this system at the cellular level, we studied the effects of tyrphostin A47 on epidermal growth factor signal transduction, cell cycle progression, and apoptosis during estrogen-dependent growth of the MCF-7 breast cancer cell line, in vitro.

CD44 Expression in Human Gliomas
Stella Maris Ranuncolo, Virginia Ladeda, Sergio Specterman, Mirta Varela, José Lastiri, Ana Morandi, Elena Matos, Elisa Bal De Kier Joffe, Lydia Puricelli, and María Guadalupe Pallotta 30
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Phase I Study on Sentinel Lymph Node Mapping in Colon Cancer: A Preliminary Report
Yves Bendavid, Jean François Latulippe, Rami J. Younan, Yves E. Leclerc, Serge Dube, Françoise Heyen, Michel Morin, Robert Girard, Edouard Bastien, José Ferreira, Michel Cerino, and Pierre Dubé 81
We report here a simple and harmless coloration technique that was recently elaborated, and that allows us to identify the sentinel lymph node(s) (SLN) or first relay lymph nodes in colorectal cancer patients.

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Immunoreactivity of p53, Ki-67, and c-*erbB*-2 in Phyllodes Tumors of the Breast in Correlation With Clinical and Morphologic Features
B. Shpitz, Y. Bomstein, A. Sternberg, E. Klein, V. Tiomkin, A. Kaufman, G. Groisman, and J. Bernheim 86
Our study aimed to evaluate clinicopathologic factors and biomarkers that may be helpful in predicting the outcome of phyllodes tumors (PT). We evaluated immunoreactivity of p53, c-erbB-2, *and Ki-67 in 23 PT treated over a 10-year period. The proliferative activity in PT and expression of* p53 *and* c-erbB-*2 were correlated with clinicopathologic features of the tumors and patients' outcome.*

Adhesion Molecules in Human Pancreatic Cancer
Adrien A. Tempia-Caliera, Laszlo Zs. Horvath, Arthur Zimmermann, Tibor T. Tihanyi, Murray Korc, Helmut Friess, and Markus W. Büchler 93
In the present study we analyzed the adhesion molecules ICAM-1 (intercellular adhesion molecule-1), VCAM-1 (vascular cell adhesion molecule-1), and ELAM-1 (endothelial leukocyte adhesion molecule-1) in human pancreatic cancer. We found an increase of ICAM-1 and VCAM-1 expression in cancer samples in comparison with normal controls, suggesting a role of these adhesion molecules in the detachment of cancer cells in the primary tumor and/or in migration cancer cells to distant organs.

Tumor *p16M* Is a Possible Marker of Advanced Stage in Non–Small Cell Lung Cancer
Calvin S.H. Ng, Jun Zhang, Song Wan, Tak Wai Lee, Ahmed A. Arifi, Tony Mok, Dennis Y.M. Lo, and Anthony P.C. Yim 101
Methylation of p16 *in tumor, plasma, and pleural lavage was determined in 33 patients with non-small cell lung cancer. Positive tumor and plasma* p16M *were associated with advanced staging. In addition, patients with plasma and preresection pleural lavage* p16M *were found to have shorter survival.*

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Management of Well-Differentiated Thyroid Carcinoma Presenting Within a Thyroglossal Duct Cyst
Snehal G. Patel, Margarita Escrig, Ashok R. Shaha, Bhuvanesh Singh, and Jatin P. Shah 134
Well-differentiated thyroid carcinoma (WDTC) is diagnosed in approximately 1.5% of thyroglossal duct cysts (TGDC). No clear consensus exists regarding further management after adequate excision of the cyst, especially the role of total thyroidectomy and postoperative radioactive iodine therapy. The current review was undertaken in an attempt to clarify these issues.

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Cellular Manifestations of Human Papillomavirus Infection in Laryngeal Tissues
Sajini Elizabeth Jacob, S. Sreevidya, Elizabeth Chacko, and M. Radhakrishna Pillai 142
The association of human papillomavirus (HPV) in various neoplastic and non-neoplastic laryngeal tissue was analyzed in relation to expression of the proliferating cell nuclear antigen (PCNA) and the tumor suppressor protein p53. *The results are of significance to the molecular epidemiology of laryngeal cancer and may also be used to supplement and elaborate the diagnosis of such lesions.*

Early and Late Morbidity Associated With Axillary Levels I–III Dissection in Breast Cancer
Miranda F. Ernst, Adri C. Voogd, Willemijn Balder, Jean H. G. Klinkenbijl, and Jan A. Roukema 151
Pain, loss of arm strength, and limitation of shoulder movement are frequent complaints after axillary dissection for breast cancer and appear to be independent of the length of follow-up and the type of surgery (i.e. breast-conservation or mastectomy).

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Use of Microsatellite Analysis in Young Patients With Colorectal Cancer to Identify Those With Hereditary Nonpolyposis Colorectal Cancer
Masakazu Ikenaga, Naohiro Tomita, Mitsugu Sekimoto, Masayuki Ohue, Hirofumi Yamamoto, Yasuhiro Miyake, Hideyuki Mishima, Isamu Nishisho, Nobuteru Kikkawa, and Morito Monden 157
Microsatellite analysis and subsequent interviews regarding medical and family history can be useful tools for efficiently identifying possible cases of hereditary nonpolyposis colorectal cancer; this approach is recommended in young patients with colorectal cancer.

A Multi-Institutional Study of Immunohistochemical Investigation for the Roles of Cyclin D1 and E-Cadherin in Superficial Squamous Cell Carcinoma of the Esophagus
Hitoshi Shiozaki, Yuichiro Doki, Hideaki Yamana, and Kaichi Isono 166
A Japanese multi-institutional study group investigated the roles of cyclin D1 and E-cadherin in superficial esophageal cancers by immunohistochemisty on 222 surgical specimens.

Immunohistochemical Study of Receptor Activator of Nuclear Factor Kappa-B Ligand (RANK-L) in Human Osteolytic Bone Tumors
Christopher R. Good, Regis J. O'Keefe, J. Edward Puzas, Edward M. Schwarz, and Randy N. Rosier 174
Some human bone tumors have been shown to express receptor activator of nuclear factor κB ligand (RANK-L). This cytokine may be responsible for tumor mediated bone destruction and its complications in some patients.

Regression of Metastatic Carcinoid Tumors With Octreotide Therapy: Two Case Reports and a Review of the Literature
Wey L. Leong and Janice L. Pasieka 180
Two patients with metastatic midgut carcinoid tumors were treated with subcutaneous octreotide 300 ug/day for symptomatic control of their carcinoid syndrome before debulking palliative surgery. After surgery, the patients were evaluated every 3 months, and had no detectable disease as of 30 and 43 months of follow-up, respectively.

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Validating the Performance of the Mammary Sentinel Lymph Node Team
David M. Euhus, George N. Peters, A. Marilyn Leitch, Hossein Saboorian, Dana Mathews, William Erdman, Beth Anglin, and James Huth 209
Three critical tasks required for successful performance of the mammary sentinel lymph node procedure were identified; learning curves were plotted; and performance benchmarks were suggested. Thirty procedures combined with completion axillary dissection were sufficient to achieve a high level of performance in our series.

Prognostic Value of c-erbB2 Expression in Breast Cancer
Shinichi Tsutsui, Shinji Ohno, Shigeru Murakami, Yoichi Hachitanda, and Shinya Oda 216
Immunohistochemical staining for c-erbB2 was performed on the primary breast cancer from 698 Japanese patients with a mean follow-up duration of 54 months.

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Tsutomu Nakamura, Hiroko Ide, Reiki Eguchi, Kazuhiko Hayashi, Masaho Ota, and Ken Takasaki 224
Lymph node micrometastasis was examined using immunohistochemistry in 53 patients with histogically node-negative esophageal squamous cell carcinoma. Micrometastasis increased the risk of lymph node recurrence, but did not influence the survival of the patients.

Expression of CD44v6 in Advanced Gastric Cancer and Its Relationship to Hematogenous Metastasis and Long-Term Prognosis
Akio Yamaguchi, Takanori Goi, Jiren Yu, Yasuo Hirono, Makoto Ishida, Atsushi Iida, Toshihisa Kimura, Kazuo Takeuchi, Kanji Katayama, and Kazuo Hirose 230
CD44v6 protein may play a role in hematogenous metastasis of gastric cancer. The expression of CD44v6 protein may be a biologic marker of prognostic significance in differentiated type gastric cancers.

Apoptosis and Its Correlation With Proliferative Activity in Rectal Cancer
Young-Ho Kim, Jun Haeng Lee, Hokyung Chun, Seok-Jin Nam, Woo-Yong Lee, Sang Yong Song, O Jun Kwon, Jae Geun Hyun, In Kyung Sung, Hee Jung Son, Poong-Lyul Rhee, Jae J. Kim, Seung Woon Paik, Jong Chul Rhee, and Kyoo Wan Choi 236
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